

# TR-2

## Installer's Signal Level Meter

- Lightweight
- Simple to Use
- Extended Battery Life
- Cost-Effective



## Overview

The XFTP TR-2™ is an economical solution ideal for your basic HFC installation needs.

This simple to use meter provides fast and efficient measurements including; signal level measurement, tilt measurement to balance your system, carrier to-noise measurements, a voltmeter function, and it features an extended battery life.

Weighing less than one pound, this simple to use, rugged meter has a durable plastic case and is convenient for one-hand operation.

The TR-2 is ready to use with the standard NCTA channel plan and includes a carrying strap, charger, user's manual, a spare F-type connector, and a one year warranty.

### MEASUREMENTS

*Single channel mode* displays the video level of the selected channel in the channel plan and also displays the frequency and  $\Delta V/A$ .

*Single frequency mode* displays the frequency and level of the audio carrier for the selected channel. Audio is automatically enabled in this mode. The TR-2 can be manually tuned to any frequency (46 to 864 MHz) in steps of 50 kHz, 100 kHz, 1 MHz, 10 MHz, or 100 MHz.

*Voltmeter mode* displays the battery voltage and trunk voltage (AC or DC).

*Dual channel mode* displays the video levels of any two selected channels in the plan. At the push of a button, the meter displays tilt between those two channels.

*Tilt mode* displays the video level of the first channel in the dual channel mode and the level difference (tilt) between two channels.

*C/N measurement* displays video level and performs carrier-to-noise measurement on the selected channel for levels greater than 25 dBmV.



Order From:



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## Specifications

Frequency Range	Range: 46 to 864 MHz Resolution: 50 KHz
Level Measurement	Range: -30 to +60 dBmV Accuracy: $\pm 2.0$ dB @ $20^{\circ}\text{C} \pm 5^{\circ}$ (@ $68^{\circ}\text{F} \pm 9^{\circ}$ ) Resolution: 0.5 dB
Carrier-to-Noise Ratio	Range: 20 to 50 dB Input signal range: $\geq 25$ dBmV Measure accuracy: $\pm 2.5$ dB @ $20^{\circ}\text{C} \pm 5^{\circ}$ (@ $68^{\circ}\text{F} \pm 9^{\circ}$ ) Resolution: 0.5 dB
Voltage	Input range: 1 to 100 V (AC/DC) Accuracy: $\pm 2.0$ V Resolution: 1.0 V
Power	3.6 V / 2.1 Ah rechargeable NiMH battery 6+ hours working time (without audio and LCD backlight) 10 to 12 hour charge time
Operational Temperature	$-10^{\circ}$ to $+40^{\circ}\text{C}$ ( $14^{\circ}$ to $104^{\circ}\text{F}$ )
Display	Backlit LCD
Audio	Built-in speaker (speaker is automatically powered on when meter is in single frequency mode)
Weight	0.85 lb (386 g)
Dimensions	6.65" x 2.80" x 1.61" (169mm x 71mm x 41mm)

### INCLUDES THE FOLLOWING:

- Shoulder strap
- AC battery charger
- Nickel-metal hydride battery
- Spare F-type connector
- User's manual

### ACCESSORIES:

- Carrying case with belt clip  
P/N 2131196000
- I/O-15 precision RF coaxial test cable  
P/N 2071527048